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PRELIMINARY ANALYSIS OF GALOSH MISSILE CANISTERS AND PRIME MOVERS SHOWN IN THE 7 NOV 68 MOSCOW PARADE REVEALS EXTERNAL MODIFICATIONS TO THE TWO CANISTERS. THE TWO CANISTERS, WITH SERIAL NUMBERS 280615 AND 371208 ARE THE FIRST DIFFERENT CANISTERS OBSERVED IN THE MOSCOW PARADE SINCE THE MISSILE WAS INTRODUCED IN THE 7 NOV 64 PARADE.

THE MODIFICATIONS WHICH HAVE BEEN IDENTIFIED ARE AS FOLLOWS:

1. ONE OF THE SOCKET HOLES NEAR THE BOTTOM OF THE CANISTER AT THE BOOSTER END HAS BEEN ELIMINATED, AND TWO NEW FITTINGS BEEN ATTACHED TO THE OUTSIDE OF THE CANISTER ON BOTH SIDES. THE SHAPE OF THE FITTINGS SUGGESTS THAT THEY ARE RELATED TO ERECTION OF THE CANISTER IN THE LAUNCHER ERECTOR.

2. THE NUMBER AND SHAPE OF THE ACCESS HATCHES ON THE END OF THE CANISTER HAVE BEEN CHANGED.

3. THE SHAPE OF THE TUBULAR APPENDAGES ATTACHED TO THE TOP OF THE CANISTER JUST FORWARD OF THE SERIAL NUMBERS HAS BEEN CHANGED, AS WELL AS THE POINTS AT WHICH TUBING LEADING FROM A TANK ON EITHER SIDE OF THE CANISTER ENTERS THE CANISTER.

4. A NEW, NON-REMOVABLE PANEL IS LOCATED AT THE EXTREME FORWARD AND AFT ENDS OF THE CANISTER, JUST BELOW THE HORIZONTAL STRIPE WHICH RUNS THE ENTIRE LENGTH OF THE CANISTER.

5. A NEW OPENING ROUGHLY [REDACTED] WITH THE NUMERAL 3 NEARBY IS ON THE LEFT SIDE OF THE CANISTER ON THE BOOSTER END.

6. THE CAP ON THE FORWARD END OF THE CANISTER HAS BEEN REDESIGNED. IT NOW APPEARS TO BE MADE OF A SOLID MATERIAL, AND IS SHAPED LIKE A TRUNCATED CONE RATHER THAN A HEMISPHERE. WHEN GALOSH CANISTERS WITH THE CAP IN PLACE HAVE BEEN OBSERVED AT SARY-SHAGAN MISSILE TEST CENTER AND MOSCOW ABM LAUNCH COMPLEXES THEY APPEARED TO BE THE HEMISPHERICAL TYPE.

7. A NEW PIECE OF EQUIPMENT HAS BEEN PLACED DIRECTLY BEHIND THE CAB OF THE PRIME MOVER. THREE GAUGES ARE LOCATED ON ITS RIGHT SIDE.

## REFERENCES:

MOSCOW PARADE PHOTOGRAPHS, 7 NOV 68, VARIOUS FRAMES  
LAUNCH COMPLEX B, SARY-SHAGAN

MISSILE TEST CENTER, USSR UR 46-01-40N 072-28-35E  
ABM LAUNCH COMPLEX E05

TRIAD 1 UR 56-14-44N 038-34-22E  
TRIAD 2 UR 56-14-38N 038-34-56E

ABM LAUNCH COMPLEX E24  
TRIAD 1 UR 55-20-53N 036-29-05E  
TRIAD 2 UR 55-21-03N 036-28-46E

ABM LAUNCH COMPLEX E33  
TRIAD 1 UR 56-20-20N 036-47-29E  
TRIAD 2 UR 56-20-32N 036-47-22E

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